	No.	Study Project or Regulatory Action (S, P, R)	Initiative	Lead Agencies & POCs	Supporting Agencies	Purpose	Objectives	Significant Milestones	Corps Authority & Appropriations Type (Approx Budget)	Corps Role
	1	S	Levee Stability Program (LSP)	USACE, Reclamation Districts (numerous non-Fed sponsors), & CADWR (funding to RDs: Mike Mirmazaheri, 916- 651-7016)	DWR, RDs, BIMID, San Joaquin County, City of Stockton, various	Quickly implement high priority levee reconstruction projects to reduce risk of catastrophic levee failure, develop emergency response plan, including GIS Flood Contingency Wapping for Delta	Flood risk managment, ecosystem restoration, WQ, water supply, conveyance, beneficial reuse of dredged materials, and emergency response and preparedness	Execute FCSAs, Q3, FY09. PAS- like agreement (for emergency planning) in progress, OC review	Auth: Section 103(f)(3)(D) of PL 108- 361, dtd: 25 Oct 04; App Type: Con (3122)	Program Lead
	2	Р	Delta Long-Term Management Strategy (Delta LTMS)	USACE, USEPA, CA DWR, CA Bay-Delta Authority, CVRWQCB	NMFS, CA DFG, USFWS	Examine & coordinate dredging needs & sediment mgmt, developt management plan, consider regulatory process improvements	Improve channel function (navigation, water conveyance, flood control, recreation), levee rehab, ER; Protect ecosystem, water supply, Wi; Project evaluation is coordinated, efficient, timely, and protective of Delta resources	Long-Term Dredge Plan Charter Complete (April 2007)	Consolidated Appropriations Act of 2005, P.L. No. 108-447	Program Lead
	3	S,P	SF Bay to Stockton Navigation Improvement Study	USACE, Port of Stockton, Contra Costa Water Agency		Evaluate the efficiency of the movement of goods along the existing deep draft navigation route extending from the San Francisco Bay to the Port of Stockton	Navigation improvement	NEPA Scoping Workshops (F2) March/April 08 Draft EIS April 2010	House Document 208, House Report 89-973 cited in Section 301 of the Rivers and Harbors Act of 1965, Pub. L. 89- 298, § 204, 79 Stat. 1073	Project Lead
Direct Influence to USACE Delta Initiatives	4	S,P	Sacramento River Deep Water Ship Channel (DWSC)	USACE	Port of Sacramento	Complete the deepening and widening of the navigation channel to authorized depth	Navigation improvement	NEPA Scoping Meeting on June 30, 2008	WRDA 1986, Sec 202(a)	Project Lead
Direct Influence to (5	S	Delta Islands and Levees Feasibility Study (DILFS)	USACE CA DWR	CA DFG, USFWS, NMFS, others	Develop a road map to identify water and related land resources problems and opportunities, utilize a watershed approach for the majority of the study area (740,000 area), possibily incorporating a feasibility level of study for the sponsor's greatest area of concern	Ecosystem restoration, flood risk management for "Legacy Towns" and other population centers, recreational opportunities, other	NEPA Scoping Workshops (F2) May 09	Auth: Conference Report 108-357 accompanying the Energy and Water Development Appropriations Act of 2004; App Type: Inv (3121)	Study Lead
	6	S	Delta Risk Management Strategy (DRMS)	CA DWR CA Dept of Fish & Game	USACE, etc.	Phase 1 - Evaluate risk and consequences to state and Delta associated with levee failure Phase 2 - Propose risk criterion for consideration of risk mgmt strategies	Reduce and manage risks or consequences associated with Delta levee failures (prioritized list of actions)	Final Phase 1 Report - Phase 2 Report -		
	7	P	Bay-Delta Conservation Plan (BDCP)	NEPA - NOAA, FWS CEQA - DWR		Help recover endangered and sensitive species & Delta habitats and assure sufficient and reliable water supplies.	Identify & implement conservation strategies to improve overall ecological health of the Delta; Identify & implement ecologically friendly ways to move fresh water through and/or around the Delta; Address toxic pollutants, invasive species, & impairments to water quality; & Provide a framework to implement the plan over time.	Scoping/Planning 2008-2009 Public Draft 2009 Final Report 2010		
	8	S	Delta Habitat Conservation and Conveyance Program (DHCCP)	CA DWR	USBR	Conservation of special-status species and rehabilitation of habitat to address the adverse affects of Delta conveyance	Complete general planning studies and preliminary engineering for isolated conveyance (that will inform BDCP)			
	9	S	Delta Vision (DV)	CA - Gov appointed task force (Sec for Resources; Cal EPA; Bus, Transp & Housing Authority; Dept Food & Ag; PUC)		Integrate separate Delta planning efforts, develop and articulate findings and recommendations for durable and sustainable mgmt of Delta	DV will be basis of Delta Strategic Plan, will include recommendations for regional management	Final DV Strategic Plan 03-NOV-2008 DV Implementation Report 05-JAN-2009		
	10	P	Habitat Management, Preservation, and Restoration Plan for the Suisun Marsh, PEIR/EIS	NEPA: USFWS, USBR & NMFS CEQA: CA DFG, CA DWR, CALFED & SRCD	USACE, USGS, BCDC & SFRWQCB	Develop, analyze, evaluate potential env benefits & impacts resulting from actions necessary to preserve & enhance managed seasonal wetlands, implement a comprehensive levee protection/improvement program, & protect ecosystem & drinking WQ	Consistency with CA Bay-Delta Program's strategic goals & objectives (CALFED)		WRDA 2007, Section 5053	Provide support to implement Restoration Plan
	11	S	CALFED Ecosystem Restoration Program Conservation Strategy (ERP)	CA DFG NMFS FWS (CALFED)		Strategy to achieve recovery of at-risk species, rehab & restoration of natural processes and functions within Bay-Delta estuary and its watershed	Stage 1 - assess actions deemed feasible to implement in first 7 yrs Milestone Assessment - evaluates how well ERP achieved conservation actions (119 milestones) Stage 2 - need to establish direction for Program (currently, participation in DV & BDCP)	Draft ERP Conservation Strategy for Stage 2 Implementation Submitted to Delta Vision 21-AUG-2008		
	12	S	CALFED Surface Storage Investigations (SSI)	CA DWR U.S. Bureau of Reclamation (CALFED)		Evaluate 5 surface storage projects identified in CALFED ROD, 2000	Increase water supply reliability, improve water quality, support ER through expanded storage capacity and increased operational flexibility			
	13	S	Delta Regional Ecosystem Restoration Implementation Plan (DRERIP)	CA DFG NMFS US FWS (CALFED)		Guide implementation of CALFED ERP element	Refine planning foundation specific to Delta; refine restoration actions; provide implementation guidance, program tracking, performance evaluation, adaptive mgmt feedback	Phase 1 - Process Design - Complete Phase 2 - Conceptual Models - Ongoing Phase 3 - Evaluation of ERP Actions - Future Phase 4 - Feasibility and Priority Setting - Future		
	14	S	FloodSAFE California	CA DWR		Improve public safety through integrated flood mgmt	Increase flood protection, improve preparedness & response, support growing economy, enhance ecosystems, promote sustainability	Draft Strategic Plan: 28-MAY-2008		
	15	S	Interagency Ecological Program (IEP) Pelagic Organism Decline (POD) Studies	CA DWR, USBR, USFWS, SWRCB, CA DFG, USEPA, USACE, NMFS, USGS		Stabilize ecosystem in the Delta and address pelagic organism decline	Address 3 possible categories of courses of the ecosystem decline - water project operations, contaminants, and invasive species			
	16	S	Lower Yolo Bypass Planning Forum	Yolo Basin Foundation, Delta Protection Commission, DFG		Develop mutually acceptable mgmt guidelines/solutions for Lower Yolo Bypass	Bypass provides flood conveyance, critical habitat, and recreation	Early Planning Phase		

	No.	Study Project or Regulatory Action (S, P, R)	Initiative	Lead Agencies & POCs	Supporting Agencies	Purpose	Objectives	Significant Milestones	Corps Authority & Appropriations Type (Approx Budget)	Corps Role
	17	S,P	North Delta Aqueduct	CA DWR	Solano County Water Agency, Napa County	Relocate aqueduct intake and increase capacity	Reduce impacts to listed fish species and increase water supply to North Bay cities			
	18	S,P	Lower San Joaquin Feasibility Study	USACE		Develop and formulate plans for flood risk management and ecosystem restoration along the Lower San Joaquin River	Flood risk management and ecosystem restoration	FCSA signed Feb 2009	House Report 105-190, which accompanied the Energy and Water Development Appropriations Act of 1998 (PL 105-62)	Study Lead
	19	S	Delta RMP	SWRCB	SF and Central Valley Regional Boards	Develop comprehensive regional monitoring program for the Delta	Implement a framework to coordinate monitoring and assessment efforts among multiple agencies	Kickoff meeting: 30-SEP-2008		
	20	R	Sediment Quality Objectives	SWRCB		Establish basis to regulate sediment in water quality	Create narrative objectives for: - Direct Effects of toxics in sediment on organisms - Indirect Effects on Human Health from bioaccumulation of toxics	Adopted by State Board. Regional Boards to implement site-specific measures as needed		
sə	21	R	OCAP	USBR		Procedures to coordinate operation of the Central Valley (Water) Project and State Water Project	OCAP requires ESA consultation, which results in a Biological Opinions (from FWS and NMFS) on potential affects to endangered species	US FWS released Delta Smelt BO: 15-DEC-2008 NMFS released final BO: 04-JUN-2009		
Indirect Influence to USACE Delta Initiatives	22	S,P	Upper San Joaquin River Restoration Project	USBR		Restore flows in San Joaquin River from Friant Dam to the confluence of Merced River	Restore Chinook salmon fishery in the river while reducing or avoiding adverse water supply impacts from restoration flows	Settlement: 13-SEP-2006 Federal Funding: 03-MAR-2009		
to USACE	23	S,P	Sacramento River Bank Protection Project (Sac Bank)	USACE	Central Valley Flood Protection Board	Maintain levees and reduce stream bank erosion	Enhance public safety and protect property along the Sacramento River and its tributaries			
ect Influence	24	S	Central Valley Water Board Basin Plan	CVRWQCB		Establish water quality objectives to ensure protection of beneficial uses	Identify implementation program for achieving water quality objectives Conduct triennial review of standards and program priorities	Workshop to initiate triennial review process: 13-AUG-2009		
Indii	25	S	Prado Dam	USACE	Orange County Water District	Evaluate the potential for conserving additional water behind Prado Dam, thereby increasing the size of the water conservation pool	Produce and process a request for a three year deviation from the current water control manual; evaluate economic and environmental impacts of deviation	Completion and approval of deviation request	O&M effort funded by non-Federal sponsor	
	26	S	Seven Oaks Dam	USACE	East Valley Municipal, Western Municipal, and San Bernardino Water Districts	Evaluate the potential for conserving additional water behind Seven Oaks Dam, thereby increasing the size of the water conservation pool	Produce and process a request for a three year deviation from the current water control manual; evaluate economic and environmental impacts of deviation	Completion and approval of deviation request	O&M effort funded by non-Federal sponsor	
	27	P	Harbor South Bay Water Recycling Project (219)	USACE	West Basin Municipal Water District, Los Angeles	To serve recycled water to numerous local cities of Los Angeles County, CA	Will design and construct over 30 miles of recycled water pipeline and distribution facilities and will provide approximately 48,000 acrefeet of water	To award construction contracts for Anza lateral phase II and mariposa lateral by Sep 09.	35,000,000	Project lead
	28	Р	City of Inglewood (219)	USACE	City of Inglewood	To upgrade City of Inglewood's water treatment facility	To treat the domestic water supply for the community of Inglewood to comply with the federal and state Safe Drinking Water Act standard.	To complete final plans and specs for upgrading the water treatment facility	20,000,000	Project lead
	29	P	City of Norwalk (219)	USACE	City of Norwalk	Ground water quality study	To identify sources and locations of potential contamination sources, which could potential affect the City's groundwater, supplies.	To complete groundwater quality study. To prepare final plans and specs for well # 9 equipment design of the Integrated Reservoir Management Plan project.	20,000,000	Project lead
	30	S	Whittier Narrows Dam	USACE	Los Angeles County Department of Public Works, Water Replenishment District	Evaluate the potential for conserving additional water behind Whittier Narrows Dam, thereby increasing the size of the water conservation pool	Produce and process a request for a three year deviation from the current water control manual; evaluate economic and environmental impacts of deviation	Completion and approval of deviation request	O&M effort funded by non-Federal sponsor	
	31	Р	Seawater Desalination, Cambria (219)SPL	USACE	Cambria Cummunties Services District	Augment water supply	Install a desalination system to augment water need to Cambria. Portions of current water source contaminated by MBTE	Complete geo technical verification of potential site and Install pilot plant, September 2010	10,300,000	Project Lead
	32	S	California Water Plan Update 2009	CA DWR		Provide a framework to consider options for California's water supply	Evaluate water supply alternatives Quantify the gap between water supplies and demand Identify water management tools	Updated every five years. Current update to be complete: DEC-2009		
	33	S	Delta Protection Commission (DPC), Governor's Office of Emergency Services, and Five Delta Counties' Emergency Planning and Response Collaborative Process	OES, DPC	Contra Costa, Sacramento, San Joaquin, Solano and Yolo Counties	Coordinate Delta-wide emergency planning	Create common framework of emergency response planning that supports and strengthens existing and future jurisdictional plans in the Delta			
	34	S	San Francisco Estuary Project (SFEP) 2007 Comprehensive Conservation and Monitoring Plan (CCMP)	Waterboard - Judy Kelly; USACE - Fari Tabatabai/Tom Kendall		Restore the Bay-Delta Estuary	Promote effective management of the Bay-Delta Estuary and restore and maintain its water quality and natural resources while maintaining the region's economic vitality	Plan complete: 2007		
	35	S	San Francisco Bay Conservation and Development Commission (SF BCDC) Bay Plan Updates	BCDC - Steve Goldbeck; USACE - Stu Townsley		Update relevant portions of the SF Bay Plan	Incorportate results of site-specifc or other detailed studies	Plan adopted: 1968 Updates are occasional		
	36	S	Central Valley Flood Management Planning	CA DWR	Central Valley Flood Protection Board	Develop an integrated flood management plan for areas protected by the State- Federal flood protection system in the Central Valley	Describe current flood risk; identify long-term vision for improving flood management; inventory and assess elements of the State-Federal flood management system; and recommend improvements to the State-Federal flo	Initial regional outreach forums: JUN-2009		
	37	Р	West Sacramento Levee Improvement Project	USACE		Maintain and improve levees	Enhance public safety and protect property in West Sacramento	Draft Program EIR/EIS in progress		
	38	P	South Delta Improvement Project	USBR and CA DWR (Applicants)		Four permanent "control gates" and dredging part of, or associated with, OCAP	Improve water quality, protect salmon in the South Delta, and improve operational effectiveness of the State Water Project	Final EIR/EIS complete: DEC-2006 Permits depend on final OCAP BOS		
	39	Р	Delta Wetlands	Semitropic Water District (Applicant)		Proposal includes flooding 2 delta islands for water supply (Noteissue with contaminants in water exposed to peat soils); 2 other islands would be at least partially restored to wetland habitat	Capture surplus water for subsequent export (or use to enhance Delta outflows) and convert two islands to managed wetlands	NOP for new EIR filed on 25-NOV-2008		
	40	Р	Frank's Tract 2-gate project	CA DWR and USBR	Metropolitan Water District of Southern California	Permit application was promised for 9/08; barriers have been described as both temporary and permanent	Reduce sea water intrusion into Delta and influence movement of fish species of concern, thereby improving operational reliability of the State Water Project and Central Valley Project	EIR Scoping Mtgs: OCT-2008 Release of Draft EIR pending		
	41	S	"Comparing Futures for the Sacramento-San Joaquin Delta" Report	Public Policy Institute of California, UC Davis		Filow-up to the PPIC report Envisioning Futures for the Sacramento-San Joaquin Delta, released in February 2007.	Compare promising Delta solutions in terms of ecosystem, water quality, and economic outcomes under different dimate change scenarios, (ii) assess regulatory implications of different management alternatives, and propose a framework to choosing alternatives given uncertainties	Report complete: JUL-2008		

	No.	Study Project or Regulatory Action (S, P, R)	Initiative	Lead Agencies & POCs	Supporting Agencies	Purpose	Objectives	Significant Milestones	Corps Authority & Appropriations Type (Approx Budget)	Corps Role
	42	R	DFG California Longfin Smelt Petition	CA DFG		Protect longfin smelt as a threatened species under the CA Endangered Species Act	Give the California Department of Fish and Game authority to order operational modifications of south Delta water pumps when the longfin smelt are migrating	Fish and Game Commission listed species as "Threatened" on 4-MAR-2009		
	43	S	East Contra Costa County HCP/NCCP	East Contra Costa County Habitat Conservancy	Contra Costa County and Cities of Brentwood, Clayton, Oakley, and Pittsburg	Streamline project permitting	Species, wetlands, and ecosystem conservation and recovery of endangered species	Conservancy established, workplan developed, permitting process in place		
	44	S	Solano Habitat Conservation Plan	Solano County Water Agency		Streamline project permitting	Species, wetlands, and ecosystem conservation and recovery of endangered species	Release of Public Draft Pending		
	45	S	San Joaquin County Multi- Species Habitat Conservation and Open Space Plan (SJMSCP)	San Joaquin Council of Governments	San Joaquin County and cities of Escalon, Lathrop, Lodi, Manteca, Ripon, Stockton, Tracy	Streamline project permitting	Species, wetlands, and ecosystem conservation and recovery of endangered species	Plan adopted: MAR-2001		
	46	S	South Sacramento HCP	County of Sacramento		Streamline project permitting	Species, wetlands, and ecosystem conservation and recovery of endangered species	EIR Scoping Mtgs JUL-2009		
	47	S	SWRCB Bay-Delta Strategic Workplan	SWRCB	San Francisco and Central Valley Regional Boards	Protect water quality and beneficial uses in the Bay- Delta	Initial focus is on southern Delta salinity and San Joaquin River flow objectives and a program of implementation of those objectives. Additional water quality planning may be proposed.	Plan adopted 13-DEC-2006 Currently being updated		
	48	R	US FWS Longfin Smelt Petition	USFWS		Consider protection of SF-Bay Delta population under Federal ESA	Identify measures to protect species	Determination that Bay-Delta population does not qualify as distinct population: 08-APR- 2009		
	49	S	NMFS Central Valley Salmonids Recovery Plan	NMFS		Restore Central Valley populations of Salmonids and Steelheads	Address entire natural (freshwater, estuarine, and ocean) and cultural ecosystem (human developments) Restore a network of complex and interconnected habitats that assure self-sustaining populations	Release of Public Draft Pending (proposed JUN-2009 release likely delayed by NMFS BO)		
	50	S	Yolo Natural Heritage Program (NCCP/HCP)	Yolo Habitat Joint Powers Authority	Yolo County and cities of Davis, Woodland, West Sacramento and Winters	Streamline project permitting	Species, wetlands, and ecosystem conservation and recovery of endangered species	Species goals and conservation strategies drafted		
nitiatives	51	S	US Fish and Wildlife Service (FWS) Delta Native Fishes Recovery Plan	USPWS		Outline a strategy for the conservation & restoration of Delta native fishes	Establish self-sustaining populations of the species of concern that will persist indefinitely	Plan complete: NOV-1996		
References and Resources to USACE Delta Initiatives	52	S	CALFED State of the Science of the Bay-Delta System (SOSBDS)	CALFED Science Program		Effort to compile, synthesize, and communicate current scientific understanding of Bay-Delta ecosystem	Inform resource mgmt and decision making (Stage 2)	Final Report Completed 15-OCT-2008		
	53	Р	VAMP Bubble Curtain	CA DWR		Replace temporary rock barrier with bubble curtain	Keep migrating Chinook salmon and steelhead in San Joaquin River, rather than Old River and increase species survival	Installed: MAY-2009		
Reference	54		Desert Hot Springs (219)	Corps of Engineers		Mission Springs Water Dis.	Wastewater Collecting System Design	Continue Design Effort by Areas Completion in September 2010	Section 219, \$478,000	Project Lead
	55		Eastern Municipal Water District (219)	Corps of Engineers		Eastern Municipal Water Dis.	Ground Water Quality Study & Bline Line Management	Continue Design Effort by Phases completion in September 2010	Section 219, \$980,000	Project Lead
	56		South Perris Water Supply Desalination (219)	Corps of Engineers		Eastern Municipal Water Dis.	Ground Water Quality Study & Desalter	Continue Design Effort by Phases completion in September 2010	Section 219, \$946,000	Project Lead
	57		Foothill Community Water Supply (219)	Corps of Engineers	San Gabriel Mountains	To develop a comprehensive plan for the management of water resources in four different Basins	To carry out activities identified in the plan to demonstrate practible alternative for water resources management	To coordinate the project scope, develop a Project Management Plan and initate technical design	Section 19, \$30,000,000	Project Lead
	58		Los Osos Wastewater Infrastructure (219)	Corps of Engineers	San Luis Obispo County	To develop a wastewater treatment system for Los Osos	To solve the Level III water resource shortage and groundwater pollution, in an environmentally sustainable and cost effective manner	Has not been funded	Section 219, \$35,000,000	Project Lead
	59		Huntington Beach Water Infrastructure (219)	Corps of Engineers	City of Huntington Beach	To develop water infrastructure projects with the city of Huntington Beach.	To provide added flood protection, diverting urban nunoff from a channel into a treatment plan and beneficial use of treated water such as protection of coastal waters, enhancement of park, recreation, and habitat value, education, groundwater recharge and seawater intrusion barrier enhancements.	To coordinate the project scope, develop a Project Management Plan, negotiate a Project Partnership Agreement and initate technical design	Section 219, \$20,000,000	Project Lead
	60		Coronado Transbay Wastewater Project (219)	Corps of Engineers	San Diego Bay	An additional modernized sewage line is required to avoid a likely catastophic environmental hazard in San Diego Bay	Will consist of designing and constructing an alternate sewage line and will enable inspection of the existing line.	To sign a project cooperation agreement, initate and complete construction.	Section 219, \$10,000,000	Project Lead
	61		Malibu Reclaim Pipeline (219)	Corps of Engineers	City of Calabasas	Design and build a 9,000 foot long, 24' recycled water welded steel pipeline.	Would Substantially increase use of recycled water which would reduce effluent discharge to Malibu Creek, reduce CO2 by 2,944 tons per year and reduce potable water demand by up to 1,600 acre feet per year.	To coordinate the project scope, develop a Project Management Paln and negotiate a Project Partnership Agreement ans initiate and complete contruction.	Section 219, \$3,000,000	Project Lead
	62		Santa Monica Water System (219)	Corps of Engineers	City of Santa Monica	Assist City of Santa Monica with Planning and Design of a new 20 million gallon drinking water storage facility underground in the city and to replace aging water distribution pipelines	There is currentl no authoriztion by which to conduct this work.	To sign a project cooperation agreement, initate and complete and planning and design of the project	Section 219, \$2,250,000	Project Lead
	63		North Valley Regional Water Infrastructure (219)	Corps of Engineers	City of Lancaster	Will provide critically needed water facilities to the northern sector of the Antelope Valley region, particularly Fox field Industrial Cooridor, an 8,200- acre planned business/industrial park development	Includes design and construction of approximately 8.5 miles of 36-inch diameter water main and related facilities to serve this part of the city.	A/E is preparing Plans and Specifications for the Section RW-2	Consolidates Appropriations Act of 2001	Project Lead
	64		North Valley Regional Water Infrastructure	Corps of Engineers	City of Lancaster	Provide critically needed water facilities to the northern sector of the Antelope Valley reion, particularly Fox Field Industrial Corridor, an 8,200 acre planned business park development.	Design and Construction of approximately 8.5 miles of 36 ubcg diameter water main and related facilities to serve the city.	Upon reciept of funds, will work towards construction of section 1/rw-2.		Project Lead
	Schlenk		Delta Initiatives	Color Key	Direct Influence to U	I	l	<u> </u>		

Schlenker Matrix - Delta Initiatives Version: 5 Date: 02-SEP-2009 POC: Brooke Schlenker (Brooke.E.Schlenker@usace.army.mil)

Direct Influence to USACE Delta Initiatives Indirect Influence to USACE Delta Initiatives References and Resources to USACE Delta Initiatives

Agency Acronyms

BCDC: (San Francisco) Bay Conservation and Development Commission
BIMID: Bethel Island Municipal Improvement District
CA DFG: CA Department of Fish and Game
CA DWR: CA Department of Water Resources
Cal EPA: CA Environmental Protection Agency
CALFED: CA Bay-Delta Authority
CEQA: CA Environmental Quality Act
CVRWQCB: Central Valley Regional Water Quality Control Board
DPC: Delta Protection Commission
NEPA: National Environmental Policy Act
NMFS: National Marine Fisheries Service
NOAA: National Oceanic & Atmospheric Agency

OES: CA Office of Emergency Services
PPIC: Public Policy Institute of California, UC Davis
PUC: CA Public Utilities Commission
RD: Reclamation District
SFRWQCB: San Francisco Regional Water Quality Control Board
SRCD: Subun Resource Conservation District
SWRCB: CA State Water Resources Control Board
USACE: US Army Corps of Engineers
USAR: US Bureau of Reclamation
USEPA: US Environmental Protection Agency
USFWS: US Fish and Wildlife Service
USGS: US Geological Survey